

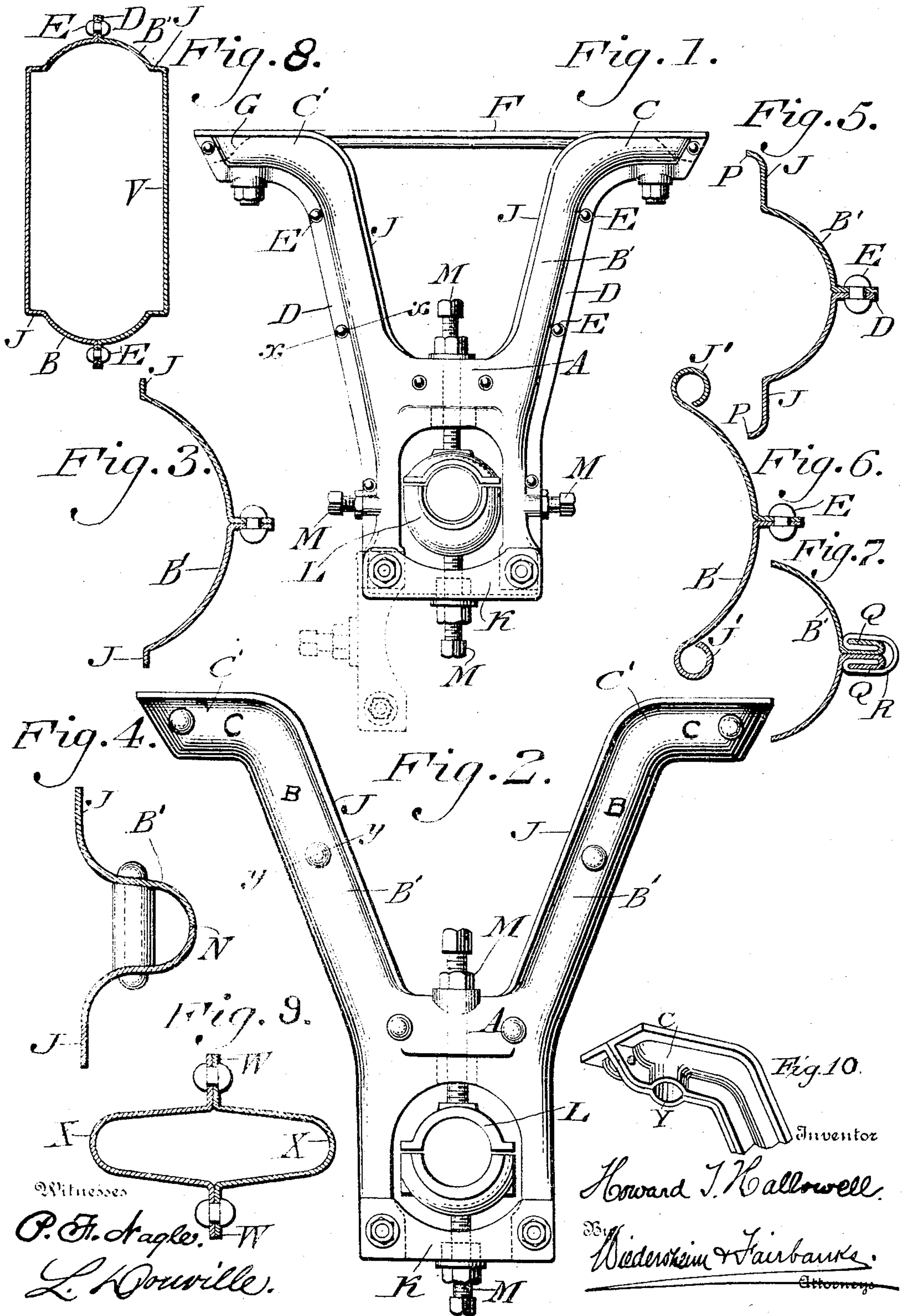
No. 767,227.

PATENTED AUG. 9, 1904.

H. T. HALLOWELL.  
SHAFT HANGER.

APPLICATION FILED JULY 27, 1903.

NO MODEL.





# UNITED STATES PATENT OFFICE.

HOWARD T. HALLOWELL, OF HALLOWELL, PENNSYLVANIA, ASSIGNOR  
TO STANDARD PRESSED STEEL COMPANY, A CORPORATION OF PENN-  
SYLVANIA.

## SHAFT-HANGER.

**SPECIFICATION** forming part of Letters Patent No. 767,227, dated August 9, 1904.

Application filed July 27, 1903. Serial No. 167,076. (No model.)

*To all whom it may concern:*

Be it known that I, HOWARD T. HALLOWELL, a citizen of the United States, residing at Hal-  
lowell, in the county of Montgomery and State  
5 of Pennsylvania, have invented a new and use-  
ful Improvement in Shaft-Hangers, of which  
the following is a specification.

My invention consists of improvements in  
hangers, as will be hereinafter fully described  
10 and claimed.

Figure 1 is a side elevation of a hanger con-  
structed in accordance with my invention.  
Fig. 2 is a side elevation of a modification of  
my invention. Fig. 3 is a transverse section  
15 taken on the line *x x* of Fig. 1. Fig. 4 is a  
transverse section taken on the line *y y* of  
Fig. 2. Figs. 5, 6, 7, 8, and 9 are transverse  
sections showing other modified constructions  
embodying my invention. Fig. 10 is a per-  
20 spective of the foot and a portion of the leg  
upon one side of my shaft-hanger.

Similar letters of reference indicate corre-  
sponding parts in the figures.

Referring to the drawings, in accordance  
25 with the principle involved by my invention  
I make a laterally-divided hanger, with the  
divided portions preferably in contact and  
suitably secured together, and in Figs. 1 and  
2 I have shown one embodiment thereof in  
30 which the lateral divisions of the hanger form-  
ing the legs, feet, and braces are in one piece,  
although it is understood that the brace may  
be in a separate piece and suitably secured to  
the legs. In this embodiment the brace A  
35 and members B' and C', forming one side of  
each leg B and foot C, are integral, while  
upon each of said members B' and C' and at  
the inner edge thereof is a flange D, the flanges  
of the lateral division forming each leg being  
40 suitably secured together—for instance, by  
means of the rivets E. A suitable base-plate  
F may or may not be used, which at its main  
portion partakes of the interior contour of  
the feet, while at its extremities, as shown at  
45 G in dotted lines, it is given a quarter-turn  
to be fastened between the ends of the feet.

In all of the forms shown the leg members  
B' are formed between the flanges of curved  
cross-section, constituting in each part of each

leg a hollow longitudinal strengthening-rib 50  
bordered by side flanges. As will be seen  
best in Figs. 3, 5, 6, and 7, two such hollow  
ribs are united by the adjacent inner flanges  
to form a single larger hollow strengthening-  
rib having the non-adjacent or outer flanges 55  
J for its edges. When thus united, the adja-  
cent flanges upon the two single hollow-rib  
structures constitute a single longitudinal  
flange or additional rib, occurring in the forms  
shown at approximately the middle of the 60  
larger hollow strengthening-rib.

At the bottom of the hanger there is the  
usual clamp K, with bearing L and the means  
M for holding the same in position.

In Figs. 2 and 4 the general construction is 65  
the same, with the exception that instead of  
securing the lateral division of the legs to-  
gether solely, as shown in other figures, I not  
only curve the ribs, but also the adjacent  
flanges, turning the latter toward each other, 70  
and braze the edges, as shown at N of Fig. 4.  
It is further obvious that the contour of the  
strengthening-flanges may be varied, as shown,  
for instance, in Fig. 5, where the outer edges  
of the flanges J are provided with inwardly- 75  
turned flanges P, and also in Fig. 6, where  
the edges J' are tubular.

In Fig. 7 I have shown a section of a leg  
so constructed as to avoid the employment of  
rivets. In this construction a lap-joint is 80  
employed, the flanges Q on the abutting side  
of the lateral section being turned upon them-  
selves and interlocked with a coupling-piece R.

In Fig. 8 is shown an embodiment of my  
invention similar to Figs. 1 and 3, with the 85  
exception, however, that the metal forming  
each leg member is not sheared out or re-  
moved between the upper portions of the leg,  
as shown at V.

In Fig. 9 still another embodiment is shown 90  
wherein the upper portions of the legs are tu-  
bular and provided with flanges W on both  
the outside and inside, the portions X of said  
figure representing the leg members.

In Fig. 10 is shown the construction of the 95  
boss Y, formed in the foot for the accommo-  
dation of the fastening-bolt.

It will be evident that various changes may



be made by those skilled in the art which will come within the scope of my invention, and I do not, therefore, desire to be limited in every instance to the exact construction herein shown and described.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A shaft-hanger composed of a plurality of integral ribbed parts flanged transversely of the shaft and secured with their flanges in contact substantially throughout their length each part comprising two leg members united by a brace.

2. A shaft-hanger having longitudinally-divided feet provided with facing flanges and mating boss portions therein, means between the flanges for securing the feet to a support and means for securing the flanges together.

3. A shaft-hanger comprising a plurality of mating parts each composed of leg members provided with longitudinal strengthening-ribs, facing flanges adjoining the ribs upon one edge and non-adjacent flanges upon the opposite edge thereof and braces between the leg members, and means for uniting the parts along the facing flanges throughout substantially the length of the leg members with

the longitudinal ribs of the parts adjoining each other.

4. A shaft-hanger composed of legs provided each with a hollow longitudinal strengthening-rib with its opening toward the other, a longitudinally-extending flange projecting intermediate the edges of the rib and a brace uniting portions of opposite legs.

5. A shaft-hanger composed of legs provided each with an inwardly-opening hollow longitudinal strengthening-rib and an outwardly-extending longitudinal flange at approximately the middle of the rib and means for uniting the legs.

6. A shaft-hanger having opposite legs each provided with a hollow longitudinal strengthening-rib composed of flanged parts united at the flanges throughout substantially the length of the legs.

7. A shaft-hanger comprising opposite legs having facing longitudinal hollow strengthening-ribs each composed of parts united by a seam there being braces uniting parts of opposite legs.

HOWARD T. HALLOWELL.

Witnesses:

JOHN A. WIEDERSHEIM,  
WM. CANER WIEDERSEIM.